

Title (en)

A US-OS characteristic control system for a vehicle responding to turning state quantity and the changing rate thereof.

Title (de)

Steuersystem, das auf die Grösse der Drehlage und deren Änderungsgeschwindigkeit reagiert, für die Regelung der Untersteuer-/Übersteuercharakteristik eines Fahrzeugs.

Title (fr)

Système de réglage de la caractéristique de sous-virage-survirage d'un véhicule, répondant à une variable d'état de virage et sa vitesse de changement.

Publication

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Application

EP 89124074 A 19891228

Priority

JP 33104188 A 19881228

Abstract (en)

In a system for controlling the US-OS characteristic of a vehicle having front and rear suspensions, a device for changing the US-OS characteristic is provided which is adapted to alter the roll stiffness distribution between the front and the rear suspensions. A turning state quantity is detected and the changing rate of a turning state quantity is determined. A control device is further provided which is adapted to respond to the turning state quantity and the changing rate of the turning state quantity, and to control the US-OS characteristic changing device so that the higher the changing rate of the turning state quantity is, the more the US-OS characteristic may be shifted toward higher over-steer, and for the same changing rate the higher the turning state quantity is, the more the US-OS characteristic may be shifted toward higher under-steer.

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Citation (search report)

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- [AD] PATENT ABSTRACTS OF JAPAN, vol. 12, no. 52 (M-668)[2899], 17th February 1988; & JP-A-62 198 511 (NISSAN MOTOR CO. LTD) 02-09-1987

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